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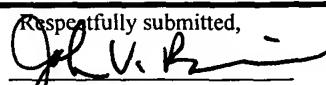
**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. VXM-001C

First Named Inventor Vitalicano

Title Quantum Information Processing Elements and  
Quantum Information Processing Platforms Using  
Such Elements

<u>APPLICATION ELEMENTS</u>		ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450
<p>1. <input type="checkbox"/> Fee Transmittal Form</p> <p>2. <input type="checkbox"/> Small Entity Status  <input type="checkbox"/> Applicant claims small entity status  <input type="checkbox"/> Status established in prior application and is still proper and desired</p> <p>3. <input checked="" type="checkbox"/> Specification and Drawings [Total Pages 61]  - Written Description - (38 pages)  - Claims - (6 pages)  - Abstract - (1 page)  - Sheets of Drawings - (16 sheets)  <input type="checkbox"/> Formal  <input checked="" type="checkbox"/> Informal</p> <p>4. <input checked="" type="checkbox"/> Oath or Declaration [Total Pages 4]  a. <input checked="" type="checkbox"/> Newly executed (original)  b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))  <i>(for continuation/divisional with Box 17 completed)</i>  <i>[Note Box 5 below]</i></p> <p>5. <input type="checkbox"/> Incorporation by Reference (usable if Box 4b is checked)  The entire Disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.</p> <p>6. <input checked="" type="checkbox"/> Application Data Sheet</p> <p>7. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission  <input type="checkbox"/> Computer Readable Form (CRF)  <input type="checkbox"/> Paper Copy (identical to computer copy)  <input type="checkbox"/> CD (2 copies) (identical to computer copy)  <input type="checkbox"/> Statement verifying identity of above copies</p>		<u>ACCOMPANYING APPLICATION PARTS</u>
		<p>8. <input type="checkbox"/> 37 CFR 3.73(b) Statement (<i>when there is an assignee</i>)  <input type="checkbox"/> Power of Attorney</p> <p>9. <input type="checkbox"/> English Translation Document (<i>if applicable</i>)</p> <p>10. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449  <input type="checkbox"/> Copies of IDS Citations</p> <p>11. <input type="checkbox"/> Preliminary Amendment  <input type="checkbox"/> Drawings [Total Sheets ]</p> <p>12. <input checked="" type="checkbox"/> Return Receipt Postcard (<i>specifically itemized</i>)</p> <p>13. <input type="checkbox"/> Certified Copy of Priority Document(s) (<i>if foreign priority claimed</i>)</p> <p>14. <input type="checkbox"/> Nonpublication Request Under 35 U.S.C. 122(b)</p> <p>15. <input type="checkbox"/> CD in duplicate for large table or computer program</p> <p>16. <input type="checkbox"/> Other:</p>
<p>17. <input type="checkbox"/> If a CONTINUING APPLICATION: Amend the specification by inserting on page 1, before the first line, the sentence:  --This is a  <input type="checkbox"/> continuation    <input type="checkbox"/> divisional    <input type="checkbox"/> continuation-in-part of prior application Serial No.    /    , filed on , , the entire disclosure of which is incorporated by reference herein.--  <b>Priority to the above application(s) is claimed under 35 U.S.C. 120.</b>  Prior application information: Examiner: _____ Group/Art Unit: _____</p> <p>18. <input type="checkbox"/> Priority - 35 U.S.C. 119  <input type="checkbox"/> Priority of application Serial No. _____ filed on _____ in _____ is claimed under 35 U.S.C. 119.  <input type="checkbox"/> The certified copy has been filed in prior U.S. application Serial No. _____ / _____ on _____.  <input type="checkbox"/> The certified copy will follow.</p>		
<u>CORRESPONDENCE ADDRESS</u>		<u>SIGNATURE BLOCK</u>
Direct all correspondence to: Patent Administrator Testa, Hurwitz & Thibeault, LLP High Street Tower 125 High Street Boston, MA 02110 Tel. No.: (617) 248-7000 Fax No.: (617) 248-7100 Customer No. 021323		<p>Respectfully submitted,    John V. Bianco  Attorney for Applicant(s)  Testa, Hurwitz &amp; Thibeault, LLP  High Street Tower  125 High Street  Boston, MA 02110</p>